

REMARKS/ARGUMENTS

In response to the §112 rejection, the claims have been amended to specify that the membrane body contains epoxy groups coupled to at least one protease inhibitor selected from the group consisting of pepstatin, bestatin, diprotin, antipain, chymostatin, leupeptin, E64, TLCK and p-aminobenzamidine. Support for these nine protease inhibitors is found at pages 3 and 5-6 of the specification.

These nine protease inhibitors all contain reactive primary or secondary amines, as shown in the table below and as documented by the references enclosed herewith that show their chemical structures.

Inhibitor	Protease Target	1°/2° Amine Groups
pepstatin	acid	one 2°
bestatin	mettalo	one 1°, one 2°
diprotin	metallo	one 1°
antipain	cystein	two 1°, five 2°
chymostatin	cystein	four 2°
leupeptin	cystein	one 1°, four 2°
E64	cystein	one 1°, three 2°
TLCK	serine	one 1°
p-aminobenzamidine	serine	two 1°

The significance of this is that it is well known that primary and secondary amine groups react with epoxy groups to chemically couple the respective moieties containing the epoxy and amine groups. See, for example, March, *Advanced Organic Chemistry Reactions, Mechanisms and Structures*, page 369 (3d Ed 1985) and Schafer et al., *Organische Chemie*, page 1390 (1990), both enclosed .

For the reasons stated, early and favorable reconsideration is respectfully solicited.

Respectfully submitted,

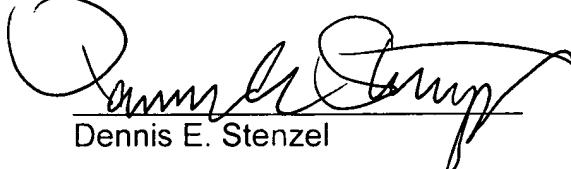


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CERTIFICATE OF MAILING

I hereby certify that this AMENDMENT is being deposited with the United States Postal Service as first class mail on the date indicated below in an envelope addressed to: Mail Stop AMENDMENT, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

June 10 '09
Date



Dennis E. Stenzel